## **EAST Search History**

## EAST Search History (Prior Art)

| Ref #      | Hits | Search Query                                                                                                                                       | DBs                                           | Default<br>Operator | Plurals | Time Stamp          |
|------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------|---------|---------------------|
| S1         | 2    | ("5872010").PN.                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR                  | OFF     | 2007/09/28<br>11:40 |
| S2         | 2    | ("6849459").PN.                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR                  | OFF     | 2007/09/27<br>23:27 |
| S3         | 2    | ("6039804").PN.                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR                  | OFF     | 2007/09/27<br>23:40 |
| S4         | 2    | ("6409832").PN.                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR                  | OFF     | 2007/09/28<br>00:47 |
| <b>S</b> 5 | 15   | "8402000"                                                                                                                                          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR                  | OFF     | 2007/09/28<br>00:49 |
| \$6        | 43   | (volumes or drop\$4 or<br>plug\$2 or discrete) with<br>crystalliz\$4 with<br>(microchannel\$2 or<br>channel\$2 or microfluid<br>\$2)               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR                  | OFF     | 2007/09/28<br>00:51 |
| S7         | 44   | (volumes or drop\$4 or<br>plug\$2 or discrete or<br>immiscible) with crystalliz<br>\$4 with (microchannel\$2<br>or channel\$2 or<br>microfluid\$2) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR                  | OFF     | 2007/09/28<br>00:51 |
| S8         | 5    | ("5872010"   "6409832"<br>  "6630006"   "6797056"<br>  "6872250").PN.                                                                              | US-PGPUB;<br>USPAT; USOCR                     | OR                  | OFF     | 2007/09/28<br>11:41 |
| S9         | 4    | S8 and crystal\$6                                                                                                                                  | US-PGPUB;<br>USPAT; USOCR                     | OR                  | OFF     | 2007/09/28<br>11:43 |
| S10        | 2    | ("20020058332"  <br>"5185099").PN.                                                                                                                 | US-PGPUB;<br>USPAT; USOCR                     | OR                  | OFF     | 2007/09/28<br>11:43 |
| S11        | 2    | S10 and crystal\$6                                                                                                                                 | US-PGPUB;<br>USPAT; USOCR                     | OR                  | OFF     | 2007/09/28<br>11:44 |

| S12 | 1   | ("6766817").PN.                                                             | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2007/09/28<br>11:46 |
|-----|-----|-----------------------------------------------------------------------------|-----------------------------------------------|----|-----|---------------------|
| S13 | 1   | ("5872010").PN.                                                             | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2007/09/28<br>16:35 |
| S14 | 363 | immiscible with crystalliz<br>\$4                                           | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2007/09/28<br>16:41 |
| S15 | 31  | \$14 and (microchannel<br>\$2 or microfluid\$4 or<br>channel\$3 or plug\$2) | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2007/09/28<br>16:37 |
| S16 | 262 | (immiscible with carrier) and crystalliz\$4                                 | US-PGPUB;<br>USPAT; USOCR                     | OR | OFF | 2007/09/28<br>17:12 |
| S17 | 2   | ("6808934").PN.                                                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2007/09/28<br>17:14 |
| S18 | 2   | ("20060003439").FN.                                                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2007/09/28<br>17:14 |
| S19 | 2   | ("6409832").PN.                                                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/15<br>21:18 |
| S20 | 2   | ("5637754").PN.                                                             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>15:09 |
| S21 | 2   | ("20050087122").PN.                                                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>17:27 |
| S22 | 2   | ("20050272159").PN.                                                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>17:43 |
| S23 | 236 | plug\$2 with microfluidic                                                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>18:24 |
| S24 | 134 | plug\$2 with microfluidic<br>with channel\$2                                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>18:24 |
| S25 | 7   | plug\$2 with microfluidic<br>with crystal\$4                                | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>18:32 |

| S26         | 54 | (plug\$2 with<br>microfluidic) and crystal<br>\$4             | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>18:33 |
|-------------|----|---------------------------------------------------------------|-----------------------------------------------|----|-----|---------------------|
| S27         | 14 | (plug\$2 with<br>microfluidic) with (oil\$2<br>or immiscible) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>18:37 |
| S28         | 5  | plug\$2 with microfluidic<br>with oil\$2                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>18:52 |
| S29         | 40 | plug\$2 with microfluidic<br>and oil\$2                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>18:52 |
| <b>S</b> 30 | 2  | ("5900130").PN.                                               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>19:12 |
| S31         | 24 | microfluid\$4 with pressure with plug\$3                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>19:14 |
| S32         | 50 | microfluid\$4 with plug\$3<br>with separat\$4                 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>19:40 |
| S33         | 2  | ("6409832").PN.                                               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>20:07 |
| S34         | 4  | Bardell.inv. and jet                                          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>22:08 |
| S35         | 0  | protein with<br>crustallization with<br>fluoresc\$4           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>22:11 |
| S36         | 19 | protein with<br>crystallization with<br>fluoresc\$4           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/03/16<br>22:11 |
| S37         | 4  | (("4,853,336") or<br>("5,739,036")).PN.                       | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2008/11/08<br>13:06 |

| S38         | 7    | (("3,960,187") or<br>("5,887,755") or<br>("6,790,328")).PN.         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2009/04/21<br>12:50 |
|-------------|------|---------------------------------------------------------------------|-----------------------------------------------|----|-----|---------------------|
| S39         | 13   | "2,097,692"                                                         | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2009/11/18<br>19:39 |
| S40         | 4733 | crystallizat\$3 with protein<br>\$2                                 | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2010/01/30<br>21:48 |
| S41         | 8    | crystallizat\$3 with protein<br>\$2 with plugs                      | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2010/01/30<br>21:48 |
| S42         | 816  | ((436/2,4) or (117/14)).<br>CCLS.                                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2010/01/30<br>21:51 |
| <b>S</b> 43 | 155  | S42 and (plugs or<br>droplets or drops or<br>(small near2 volumes)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2010/01/30<br>21:52 |
| S44         | 816  | ((436/2,4) or (117/14)).<br>CCLS.                                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2010/01/31<br>10:19 |
| <b>S</b> 45 | 155  | S44 and (plugs or<br>droplets or drops or<br>(small near2 volumes)) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2010/01/31<br>10:19 |
| <b>S</b> 46 | 103  | S45 and flow\$3                                                     | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>DERWENT | OR | OFF | 2010/01/31<br>10:19 |

<sup>1/31/2010 12:30:47</sup> PM

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